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These search terms have been highlighted: **silica I 1500 porous hollow**

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Cosmetic Raw Material

Micro Beads

SUNJIN CHEMICAL CO is an R&D driven company that brings innovations to the cosmetic industry.

We have a scope of technologies such as microencapsulation technology, encapsulation and composition technology, inorganic synthesis technology and more.

For more information,

please visit our home page: www.sunjinchem.com

or email: sales@sunjinchem.co.kr

or call office tel: 82-31-494-6322(300)

or call mobile: 82-11-9920-1454

2004. 11.1

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CENTER

TECHNOLOGY OVERVIEW

Technology Overview

Micro bead synthesis

Silica beads

PMMA beads

Nano powder synthesis

ZnO, TiO₂, ZrO₂, SiO₂

PMMA

Encapsulation with

Silica

PMMA

Surface treatment

Sol & thin film coating

Composition

TiO₂/Silica

Dispersion

TiO₂

ZnO

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SILICA BEADS: SUNSIL series

SUNSIL 130 series α Naked Silica Beads

	Oil absorption	Low	Standard
Avg. Particle size		(0.6 0.9 cc/g)	(0.9 1.3 cc/g)
1 3 μm		-	Sunsil 20
6 9 μm		Sunsil 130L	Sunsil 130
12 16 μm		-	-

Sunsil-20

Oil absorption comparison table

Silica	cc/g(SUN
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SUNSIL 150H

SUNSIL 130H

SUNSIL 130

SUNSIL 130L

Sunsil-130

Spheron P-1500

0.6

Spheron P-1000

Spheron L-1500

H51

MSS-500/3H

Silica Bead SB-700

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Silica Beads

Naked silica bead	Size(μm)	Oil (cc/g) Absorption	
SUNSIL 130NP —Non porous“	7	0.40.6	
SUNSIL 130L —Low“	7	0.60.9	2
SUNSIL 130 —Standard“	7	0.91.2	2
SUNSIL 130H —High oil absorption“	7	1.21.5	
SUNSIL 20 —Small sized“	2	0.91.2	
SUNSIL 150H —Very High oil absorption“	15	1.42.1	

Surface treated silica bead

SUNSIL 130SC

Silicone oil coated

For pressed powders --> good pressability

Better smoothness and softer feeling

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SUNPMMA S æ The most pure PMMA bead in the world

Specifications

Size distribution	Poly-dispersed
Appearance	White fine powder
Cross linkage	Cross-linked
Avg. Particle Size	5 10 µm
Apparent density	About 0.71 g/cc
Oil absorption	0.4 0.6 cc/g
Moisture	5% max.
Residual monomer	10 ppm max.
p H	Neutral
Odor	Odorless

Regulation

INCI Name: Methy
Polymer
CAS No: 25777-71-
EINECS No: Exem
Custom Tariff No:

Residual Monomer Content Comparison table

Product		MMA content	EGDMA content	Bad
Jurymer MB-1		144 ppm	0 ppm	
Matsmoto, Microperal M100		44 ppm	0 ppm	
Negami Artpearl		37 ppm	14 ppm	
SUNPMMA-S	Lot: 03042210	7.5 ppm	0 ppm	
	Lot: 03100201	5 ppm	0 ppm	
	Lot: 03111501	6.5 ppm	0 ppm	

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Porous PMMA Bead α SUNPMMA P

Specifications

Size distribution	Poly-dispersed
Appearance	White fine powder
Cross linkage	Cross-linked
Avg. Particle Size	10 13 μ m
Apparent density	About 0.35 g/cc
Oil absorption	1.7 2.4 cc/g
Moisture	6% max.
Residual monomer	10 ppm max.
p H	Neutral
Odor	Odorless

PMMA	cc/g(by SUNJIN)	Manufacturer
SUNPMMA-S	0.47	Sunjin
Jurymer MB-1	0.45	Nihon Junyaku
Micropearl M 305	0.45	Matsumoto
SUNPMMA-P	2.12	SUNJIN
Covabead LH85	1.82	Nihon Junyaku
Microsponge 5640	2.02	AP Pharm

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Poly Urethane Bead: SUNPU, The Most Elastic Polymer Bead

Specifications

Size distribution	Poly-dispersed
Appearance	White fine powder
Avg. Particle Size	17 μm
Moisture	5% max.
p H	Neutral
Odor	Odorless

T

10% De

INCI Name:

HDI/Trimethylol

Hexyl

Lactone cross polymer

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Poly Ester Bead - SUNPET

Nylon 12 like feeling

Specifications

Size distribution	Poly-dispersed
Appearance	White fine powder
Avg. Particle Size	5 10 μm
Moisture	5% max.
p H	Neutral
Odor	Odorless

Regulation

INCI Name: Poly Ethylene Terephthalate

CAS No. 25038-59-9

Tg: 70°C

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Surface Treated Fillers

TALC J-DS – Surface treated Talc		MMC
Specification		Spe
Components		Cor
Talc	97.0 %	Seri
Methicone	1.0 %	Mei
Dimethicone	2.0 %	
Appearance	WHITE POWDER	ApI
Odor	ODORLESS	Od
Loss on Drying	< 1% (1.0g, 105°C, 2hr)	Los
Lead	< 20ppm	Lea
Arsenic	< 5ppm	Ars
TiO2 4S – Silicone Oil coated Titanium Dioxide		TiO2
Specification		Spe
Components		Cor
TiO2	96.0 %	TiO
Methicone	4.0 %	AS
Appearance	WHITE POWDER	ApI
Odor	ODORLESS	Od
Loss on Drying	< 1% (1.0g, 105°C, 2hr)	Los
Lead	< 20ppm	Lea
Arsenic	< 5ppm	Ars

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L10: Entry 21 of 37

File: PGPB

May 22, 2003

DOCUMENT-IDENTIFIER: US 20030096910 A1

TITLE: Ion-sensitive, water-dispersible polymers, a method of making same and items using same

Detail Description Table CWU:

12TABLE 12 Particles from Presperse, Inc. selected for use in pre-moistened wipes

Name	Composition	Characteristics
MCP-45	Mica and polymethyl	Fine powder, platelets
methacrylate	coated with microspheres,	13-17 microns
Sericite SL-012	98% mica,	2%
methicone	Fine white powder,	hydrophobic surface,
2-10 microns	Rose talc	Talc White
powder,	10-12 microns	Permethyl 104A
Iso-octahexacontane	(polyisobutene)	Cashmir K-II
Mica (97%),	silica	Fine white powder,
beads (3%),	platelets	coated with 0.3
microns	microspheres,	10-14 microns
Syntheticite FNK-100	Synthetic	Fine powder,
10-15	fluorophogopite	microns
Ganzpearl GMX-0610	Methyl methacrylate	Spherical powder,
crosspolymer	4.5-8.5 microns	Ganzpearl GS-0605
Styrene/	White powder,	4.5-8.5
divinylbenzene	microns	copolymer
Ganzpearl PS-8F	Styrene/	0.4 microns
divinylbenzene	copolymer	Spheron N-2000
Amorphous silica	White powder,	2-15
microns,	low oil absorption	<u>Spheron L-1500</u>
Amorphous silica	White powder,	3-15
microns,	high oil absorption	

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